

Title (en)

REMOTE, ELECTRICAL MARINE STEERING SYSTEM.

Title (de)

ELEKTRISCHES FERNSTEUERSYSTEM FÜR SCHIFFE.

Title (fr)

SYSTEME DE MAN UVRE ELECTRIQUE A DISTANCE POUR DES BATEAUX.

Publication

EP 0554387 A4 19930614 (EN)

Application

EP 91920656 A 19911017

Priority

- US 9107846 W 19911017
- US 60243090 A 19901022

Abstract (en)

[origin: WO9206891A1] A remote, electrical steering system for marine vehicles including an electrical motor (38) operable by a control and power circuit to rotate a drive screw (210) having a screw connection to a nut (256) in a drive tube (254) for moving the drive tube (254) in translation to cause steering movement of motor/rudder (14) with the control circuit sensing various fault conditions for placing the electrical motor (38) in a brake condition to inhibit inadvertent steering and with the screw and nut connection resisting backlash from the motor/rudder (14) to inhibit inadvertent steering and isolate the electrical motor (38) and associated gearing from backlash loads.

IPC 1-7

B63H 25/02

IPC 8 full level

B63H 25/02 (2006.01); **B63H 25/24** (2006.01); **B63H 25/42** (2006.01); **G05D 1/02** (2006.01); **F02B 61/04** (2006.01)

CPC (source: EP US)

B63H 20/12 (2013.01 - EP US); **B63H 25/02** (2013.01 - EP US); **B63H 25/24** (2013.01 - EP US); **B63H 2025/022** (2013.01 - EP US); **B63H 2025/028** (2013.01 - EP); **F02B 61/045** (2013.01 - EP US)

Citation (search report)

- [X] US 4114074 A 19780912 - STEWART ALAN, et al
- [A] US 4419084 A 19831206 - BORST GAYLORD M [US]
- [A] GB 2080751 A 19820210 - OUTBOARD MARINE CORP
- See references of WO 9206891A1

Cited by

CN104678795A

Designated contracting state (EPC)

DE DK ES FR GB IT SE

DOCDB simple family (publication)

WO 9206891 A1 19920430; CA 2092531 A1 19920423; CA 2092531 C 20010313; DE 69116165 D1 19960215; DE 69116165 T2 19961010; EP 0554387 A1 19930811; EP 0554387 A4 19930614; EP 0554387 B1 19960103; JP H06506887 A 19940804; US 5214363 A 19930525; US 5361024 A 19941101

DOCDB simple family (application)

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